

GILA RIVER BASIN

09489500 BLACK RIVER BELOW PUMPING PLANT, NEAR POINT OF PINES, AZ

LOCATION.--Lat 33°28'36", long 109°45'48", in W sec. 32, T.2 N., R.25 E. (unsurveyed), Graham County, Hydrologic Unit 15060101, in San Carlos Indian Reservation, on left bank 0.9 mi downstream from Phelps Dodge Corp. pumping plant, 1.3 mi downstream from Freezeout Creek, 8 mi northwest of Point of Pines, and 63 mi upstream from confluence with White River.

DRAINAGE AREA.--560 mi².

PERIOD OF RECORD.--June 1953 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,725 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Water is diverted at pumping plant 0.9 mi upstream and pumped into headwaters of Willow Creek (tributary of Eagle Creek) for mining, metallurgical treatment of ores, and domestic supply in vicinity of Morenci. (See sta 09445000.)

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,900 ft³/s Oct. 19, 1972, gage height, 18.0 ft, from floodmarks, from rating curve extended above 5,000 ft³/s; minimum daily, 2.6 ft³/s July 5, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 15	0545	687	4.24
Mar. 17	0600	*1,160	*4.90
Sept. 11	0530	794	4.41

Minimum daily discharge, 20 ft³/s July 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	34	38	56	55	156	563	216	61	25	34	91
2	26	33	39	51	55	151	615	198	49	24	37	75
3	26	33	47	56	54	146	658	182	43	23	38	95
4	26	33	48	48	51	184	604	167	39	23	34	66
5	26	34	47	49	44	237	543	156	36	23	35	57
6	25	35	40	42	47	238	486	149	35	23	33	63
7	30	35	38	43	40	313	445	141	35	22	34	81
8	37	33	39	48	42	426	423	134	34	21	36	99
9	36	37	42	61	49	505	422	129	34	20	39	111
10	31	55	37	80	42	626	441	119	35	21	34	410
11	27	148	36	83	37	745	456	112	34	24	36	709
12	26	109	35	82	45	823	473	106	33	25	34	416
13	25	83	36	76	65	791	482	99	33	24	31	257
14	25	69	34	72	500	814	491	94	32	27	36	176
15	25	60	34	69	617	820	515	90	30	27	38	134
16	29	54	36	66	455	746	501	87	28	25	38	108
17	25	45	38	59	356	1050	449	83	24	27	37	90
18	25	43	49	60	297	854	406	80	24	29	35	77
19	30	41	44	57	255	830	377	79	26	e28	33	70
20	28	39	33	56	226	688	356	77	26	e31	34	59
21	28	39	37	61	208	708	331	75	24	e34	36	50
22	31	39	41	62	175	704	311	73	22	49	37	43
23	34	37	42	64	158	844	296	68	23	43	34	41
24	28	37	43	62	146	937	288	67	25	36	35	39
25	27	36	39	64	141	881	272	63	25	37	37	39
26	26	36	37	66	169	832	256	59	25	34	40	40
27	29	35	38	65	151	837	249	59	24	35	40	38
28	30	38	43	62	167	804	245	56	24	37	48	36
29	30	36	46	62	---	690	235	54	24	36	95	33
30	33	38	44	62	---	590	228	50	26	38	146	30
31	34	---	51	57	---	554	---	56	---	37	125	---
TOTAL	884	1424	1251	1901	4647	19524	12417	3178	933	908	1379	3633
MEAN	28.5	47.5	40.4	61.3	166	630	414	103	31.1	29.3	44.5	121
MAX	37	148	51	83	617	1050	658	216	61	49	146	709
MIN	25	33	33	42	37	146	228	50	22	20	31	30
AC-FT	1750	2820	2480	3770	9220	38730	24630	6300	1850	1800	2740	7210
CFSM	0.05	0.08	0.07	0.11	0.30	1.12	0.74	0.18	0.06	0.05	0.08	0.22
IN.	0.06	0.09	0.08	0.13	0.31	1.30	0.82	0.21	0.06	0.06	0.09	0.24
CAL YR 2002	TOTAL 14358	MEAN 39.3	MAX 434	MIN 19	AC-FT 28480	CFSM 0.07	IN. 0.95					
WTR YR 2003	TOTAL 52079	MEAN 143	MAX 1050	MIN 20	AC-FT 103300	CFSM 0.25	IN. 3.46					

e Estimated